### UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

### **SCHEDULE 13G**

Under the Securities Exchange Act of 1934

(Amendment No. )\*

## **Twist Bioscience Corporation**

(Name of Issuer)

Common Stock par value \$0.00001 per share

(Title of Class of Securities)

#### 90184D100

(CUSIP Number)

December 31, 2018

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

	Rule	13d-1(b)
	Rule	13d-1(c)
X	Rule	13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act, but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 90	0184D100	13G	Page 2 of 15 Pages
1	NAMES OF REPORTING P I.R.S. IDENTIFICATION N ARCH Venture Fund VII, L.P.	OS. OF ABOVE PERSONS (ENTITIES ONLY)	
2	CHECK THE APPROPRIA	TE BOX IF A MEMBER OF A GROUP*	(a)□ (b)□
	SEC USE ONLY		

	CITIZ	LENSHI	P OR PLACE OF ORGANIZATION			
4	Delaw	are				
			SOLE VOTING POWER			
		5	0			
			SHARED VOTING POWER			
NUMBER OF SH BENEFICIAI OWNED BY E	LLY	6	3,361,568			
REPORTING PE		_	SOLE DISPOSITIVE POWER			
WITH		7	0			
		8	SHARED DISPOSITIVE POWER			
			3,361,568			
	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
9	3,361,568					
	CHEC	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*				
10						
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11 12.0%						
_	TYPE	OF RE	PORTING PERSON*			
12	PN					

CUSIP No. 90	CUSIP No. 90184D100			13G	Page 3 of 15 Pages	
			EPORTING P			
1	I.R.S.	IDENTI	FICATION N	<b>OS. OF ABOVE PERSONS (ENTITIES ONLY)</b>		
	ARCH	I Venture	Fund VIII Ove	rage, L.P.		
	CHEC	CK THE	APPROPRIA	FE BOX IF A MEMBER OF A GROUP*		
2					(a)□	
					(b)□	
3	SEC U	USE ONI	LY			
J						
	CITIZ	ZENSHI	P OR PLACE	OF ORGANIZATION		
4	Delaw	/are				
				ING POWER		
		5	SOLE VUI	INGPOWER		
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NUMBER OF SI BENEFICIAL	LLY	6	3,361,568			
OWNED BY E REPORTING PI		7	SOLE DISE	POSITIVE POWER		
WITH			0			
			SHARED D	DISPOSITIVE POWER		
		8	3,361,568			
	AGG	REGATE	E AMOUNT B	ENEFICIALLY OWNED BY EACH REPORTIN	G PERSON	
9	3,361,568					
	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*					
10						
	PERC	CENT OF	CLASS REP	RESENTED BY AMOUNT IN ROW (9)		
11						
	12.0%					
10	TYPE	E OF REI	PORTING PE	RSON*		
12	PN					

CUSIP No. 90	CUSIP No. 90184D100			13G	Page 4 of 15 Pages			
		NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)						
1								
	ARCH	I Venture	Partners VII, L	P.				
	CHEC	CK THE	APPROPRIA	FE BOX IF A MEMBER OF A GROUP*				
2					(a)□ (b)□			
	SEC I	JSE ON	[ <b>Y</b>		(b)□			
3	020							
4	CITIZ	ZENSHI	P OR PLACE	<b>OF ORGANIZATION</b>				
4	Delaw	are						
			SOLE VOT	ING POWER				
		5	0					
		ARES 6	SHADEDA	OTING POWER				
NUMBER OF SH	IARES			OTINGFOWER				
BENEFICIAI OWNED BY E	LY	•	3,361,568					
REPORTING PE		П	SOLE DISE	POSITIVE POWER				
WITH		7	0					
			SHARED D	ISPOSITIVE POWER				
		8	3,361,568					
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON							
U	3,361,568							
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*							
10								
	PERC	ENT OF	F CLASS REP	RESENTED BY AMOUNT IN ROW (9)				
11	12.0%							

PN

12

**TYPE OF REPORTING PERSON\*** 

CUSIP No. 90	CUSIP No. 90184D100			13G		Page 5 of 15 Pages	
1	I.R.S.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) ARCH Venture Partners VII, LLC					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a)□ (b)□						
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware						
	1	5	SOLE VOT	ING POWER			
NUMBER OF SI BENEFICIAI OWNED BY E	LLY	6	SHARED V 3,361,568	OTING POWER			
REPORTING PI WITH		7	SOLE DISE	OSITIVE POWER			
			SHARED D 3,361,568	ISPOSITIVE POWER			

	Ŭ	3,361,568			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON         3,361,568				
10	CHECK IF TI	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
11	<b>PERCENT OF</b> 12.0%	F CLASS REPRESENTED BY AMOUNT IN ROW (9)			
12	TYPE OF RE	PORTING PERSON*			

CUSIP No. 90	CUSIP No. 90184D100			13G	Page 6 of 15 Pages			
1	I.R.S.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) ARCH Venture Partners VIII, LLC						
2	CHEC	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b)						
3	SEC U	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware							
NUMBER OF SI		5	0 SHARED V	ING POWER OTING POWER				
OWNED BY E	BENEFICIALLY OWNED BY EACH REPORTING PERSON _ SOLE DIS		SOLE DISP	OSITIVE POWER				
		8	SHARED D 3,361,568	ISPOSITIVE POWER				
9	3,361,	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568						
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*							

10		
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
11	12.0%	
12	TYPE OF REPORTING PERSON*	
12	00	

CUSIP No. 90184D100	13G	Page 7 of 15 Pages

	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)					
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)					
	Keith	Crandell				
	CHE	CK THE	APPROPRIATE BOX IF A MEMBER OF A GROUP*			
2				(a)□		
				(b)□		
3	SEC U	USE ON	LY			
5						
	CITIZ	ZENSHI	P OR PLACE OF ORGANIZATION			
4	United	d States c	of America			
	Onice					
		F	SOLE VOTING POWER			
		5	0			
			SHARED VOTING POWER			
NUMBER OF SI		LY CH	3,361,568			
BENEFICIAL OWNED BY E						
<b>REPORTING PI</b>			SOLE DISPOSITIVE POWER			
WITH			0			
			SHARED DISPOSITIVE POWER			
		8	2 201 500			
	r		3,361,568			
0	AGG	REGATI	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
9	3,361,	,568				
	CHE	CK IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
10						
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11	12.0%					
	Түрг	OFRE	PORTING PERSON*			
12						
	IN					

CUSIP No. 90184D100	13G	Dage 9 of 15 Dages
CUSIP NO. 90104D100	15G	Page 8 of 15 Pages

1       IRS. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)         2       Check THE APPROPRIATE BOX IF A MEMBER OF A GROUP*         3       (a)		NAM						
1       Clinton Bybee         2       Clinton Bybee         3       SEC USE ONLY         3       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         4       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 3,361,568       SHARED ISPOSITIVE POWER 3,361,568         9       SOLE DISPOSITIVE POWER 3,361,568       SHARED DISPOSITIVE POWER 3,361,568         10       CHECK IF THE AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12,0%		NAMES OF REPORTING PERSONS						
2       CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*       (a)         3       (b)         3       SEC USE ONLY         4       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         VUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 0       3,361,568         7       SOLE DISPOSITIVE POWER 0       3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       SHARED DISPOSITIVE POWER 0         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       □         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%       EXCLUDES CERTAIN SHARES*	1	I.K.J. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES UNLY)						
2       (a) □         3       SEC USE ONLY         4       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 3.361,568       SHARED VOTING POWER 0         7       0       SOLE DISPOSITIVE POWER 0.0         8       SHARED DISPOSITIVE POWER 3.361,568       SHARED DISPOSITIVE POWER 0.0         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3.361,568       □         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       □         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%       □		Clinton Bybee						
(b) 3 SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION United States of America  NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON H A G SILARED VOTING POWER 3,361,568 SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 3,361,568 SHARED DISPOSITIVE POWER 3,361,568  AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568  10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* 10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* 12		CHE	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*					
3     SEC USE ONLY       4     CITIZENSHIP OR PLACE OF ORGANIZATION United States of America       NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH     5     SOLE VOTING POWER 0       6     SHARED VOTING POWER 3,361,568     SHARED VOTING POWER 0       9     SOLE DISPOSITIVE POWER 3,361,568       9     AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       10     CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       11     12.0%	2				(a)□			
3       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         4       CITIZENSHIP OR PLACE OF ORGANIZATION United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 3,361,568       3.361,568         7       SOLE DISPOSITIVE POWER 0       SOLE DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       SOLE CLASS REPRESENTED BY AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*								
4       CTTIZENSHIP OR PLACE OF ORGANIZATION United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH         6       SHARED VOTING POWER 3,361,568         7       SOLE DISPOSITIVE POWER 0         9       SHARED DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%		SECU	USE ON	LY				
4       United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 3,361,568       SHARED VOTING POWER 0         7       SOLE DISPOSITIVE POWER 0       SOLE DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       SHARED DISPOSITIVE POWER 0         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	3							
4       United States of America         NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       5       SOLE VOTING POWER 0         6       SHARED VOTING POWER 3,361,568       SHARED VOTING POWER 0         7       SOLE DISPOSITIVE POWER 0       SOLE DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       SHARED DISPOSITIVE POWER 0         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*		CITU						
NUMBER OF SHARES       SOLE VOTING POWER         0       0         NUMBER OF SHARES       6         SHARED VOTING POWER       3,361,568         PRONTING PERSON       SOLE DISPOSITIVE POWER         0       0         8       SOLE DISPOSITIVE POWER         0       0         8       SOLE DISPOSITIVE POWER         0       3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON         3,361,568       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         10       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)         12.0%       TYPE OF REPORTING PERSON*	Δ							
NUMBER OF SHARE       5       0         BENEFICIALLY OWNED BY EACH REPORTING PERSON       6       SHARED VOTING POWER 3.361.568         7       SOLE DISPOSITIVE POWER 0         8       SHARED DISPOSITIVE POWER 3.361.568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3.361.568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%	-	United	United States of America					
NUMBER OF SHARES         6         SHARED VOTING POWER           BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH         6         3,361,568           7         SOLE DISPOSITIVE POWER         0           8         SHARED DISPOSITIVE POWER         0           8         SHARED DISPOSITIVE POWER         3,361,568           9         SHARED DISPOSITIVE POWER         3,361,568           9         SHARED DISPOSITIVE POWER         3,361,568           10         SHARED DISPOSITIVE POWER         3,361,568           10         CHECK IF THE AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				SOLE VOTING POWER				
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NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       6       3.361,568         7       SOLE DISPOSITIVE POWER         0       0         SHARED DISPOSITIVE POWER         8       SHARED DISPOSITIVE POWER         3.361,568       3.361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON         3.361,568       3.361,568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)         12       TYPE OF REPORTING PERSON*								
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH       3       3,361,568         9       SOLE DISPOSITIVE POWER 0       0         8       SHARED DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%			C	SHARED VOTING POWER				
REPORTING PERSON WITH       7       SOLE DISPOSITIVE POWER 0         8       SHARED DISPOSITIVE POWER 3,361,568         9       AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%         12       TYPE OF REPORTING PERSON*	BENEFICIA	LLY	6	3,361,568				
1     0       8     SHARED DISPOSITIVE POWER       3,361,568     3,361,568       9     AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON       3,361,568     3,361,568       10     CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       11     PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)       12.0%     TYPE OF REPORTING PERSON*			_	SOLE DISPOSITIVE POWER				
8     3,361,568       9     AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       10     CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       10     PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%       12     TYPE OF REPORTING PERSON*	WITH		7	0				
8     3,361,568       9     AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568       10     CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*       10     PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%       12     TYPE OF REPORTING PERSON*				CHADED DISDOSITIVE DOWED				
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* CHECK IF THE AGGREGATE EXCLUDES CERTAIN SHARES*			8	SHARED DISPOSITIVE POWER				
9       3,361,568         10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)         12.0%       TYPE OF REPORTING PERSON*			0	3,361,568				
10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)         12.0%       12.0%		AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
10       CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*         11       PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)         12.0%       12.0%         12       TYPE OF REPORTING PERSON*	9	3 361 568						
10     □       11     PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)       12.0%     □       12     TYPE OF REPORTING PERSON*								
Image: Descent of class represented by AMOUNT IN ROW (9)       12.0%       Type of reporting person*	10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*						
11 12.0% TYPE OF REPORTING PERSON*	10							
11 12.0% TYPE OF REPORTING PERSON*		PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
12.0% TYPE OF REPORTING PERSON*	11							
12		12.0%						
12 <sub>IN</sub>		TYPE OF REPORTING PERSON*						
	12	IN						

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1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Robert Nelsen						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b)						
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States of America						
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		5 6 7 8	SOLE VOTING POWER0SHARED VOTING POWER3,361,568SOLE DISPOSITIVE POWER0SHARED DISPOSITIVE POWER3,361,568				
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,361,568						
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*						
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 12.0%						
12	TYPE OF REPORTING PERSON*         IN						
L	1						

13G

#### Item 1(a). Name of Issuer

Twist Bioscience Corporation (the "Issuer").

#### Item 1(b). Address of Issuer's Principal Executive Offices

455 Mission Bay Blvd South, Suite 545, San Francisco, CA 94158

#### Item 2(a). Name of Person Filing

ARCH Venture Fund VII, L.P. ("ARCH Venture Fund VII"); ARCH Venture Fund VIII Overage, L.P. ("AVF VIII Overage LP"); ARCH Venture Partners VII, L.P. ("AVP VII LP"); ARCH Venture Partners VII, LLC ("AVP VII LLC"); ARCH Venture Partners VIII, LLC ("AVP VII LLC"); Collectively, the "Reporting Entities" and individually, each a "Reporting Entity"); and Keith Crandell ("Crandell"), Robert Nelsen ("Nelsen") and Clinton Bybee ("Bybee") (collectively, the "Managing Directors" and individually, each a "Managing Director"). The Reporting Entities and the Managing Directors collectively are referred to as the "Reporting Persons".

#### Item 2(b). Address of Principal Business Office or, if none, Residence

8755 W. Higgins Avenue, Suite 1025, Chicago, IL 60631

#### Item 2(c). Citizenship

ARCH Venture Fund VII, AVF VIII Overage LP and AVP VII LP are limited partnerships organized under the laws of the State of Delaware. AVP VII LLC and AVP VIII LLC are limited liability companies organized under the laws of the State of Delaware. Each Managing Director is a US citizen.

#### Item 2(d). Title of Class of Securities

Common stock, par value \$0.00001 per share.

#### Item 2(e). CUSIP Number

90184D100

#### Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

Not Applicable.

#### Item 4. Ownership

(a) Amount beneficially owned:

ARCH Venture Fund VII is the record owner of 2,407,422 shares of Common Stock (the "ARCH VII Shares") as of December 31, 2018. AVP VII LP, as the sole general partner of ARCH Venture Fund VII, may be deemed to beneficially own the ARCH VII Shares. AVP VII LLC, as the sole general partner of AVP VII LP, may be deemed to beneficially own the Record Shares. AVF VIII Overage LP is the record owner of 954,146 shares of Common Stock (the "Overage Shares"; combined with ARCH VIII Shares, the "Record Shares") as of December 31, 2018. AVP VIII LLC, as the sole general partner of AVP VIII LLC, as the sole general partner of AVP VIII LLC, as the sole general partner of AVP VIII Shares, the "Record Shares") as of December 31, 2018. AVP VIII LLC, as the sole general partner of AVF VIII Overage LP, may be deemed to beneficially own the Overage Shares. As managing directors of AVP VII LLC and AVP VIII LLC, each Managing Director may also be deemed to share the power to direct the disposition and vote of the Record Shares.

(b) Percent of class:

See line 2 of the cover sheets. The percentages set forth on the cover sheet for each Reporting Person is based upon 27,945,267 shares of common stock outstanding as of December 12, 2018 as reported on the Issuers Form 10-K as filed with the Securities and Exchange Commission on December 20, 2018.

(c)	Number of shares as to which such person has
-----	--

- (i) Sole power to vote or to direct the vote:See line 5 of the cover sheets.
- (ii) Shared power to vote or to direct the vote:

See line 6 of the cover sheets.

(iii) Sole power to dispose or to direct the disposition:

See line 7 of the cover sheets.

(iv) Shared power to dispose or to direct the disposition:

See line 8 of the cover sheets.

Each Reporting Person disclaims beneficial ownership of such shares of Common Stock except for the shares, if any, such Reporting Person holds of record.

# Item 5. Ownership of Five Percent or Less of a Class

Not Applicable.

# Item 6. Ownership of More Than Five Percent on Behalf of Another Person

Not Applicable.

- Item 7.
   Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

   Not Applicable.
- Item 8. Identification and Classification of Members of the Group

Not Applicable.

Item 9. Notice of Dissolution of Group

Not Applicable.

#### Item 10. Certification

Not Applicable.

#### **SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2019

ARCH VENTURE FUND VII, L.P.

- By: ARCH Venture Partners VII, L.P. its General Partner
  - By: ARCH Venture Partners VII, LLC its General Partner

By: \_\_\_\_\_\*

Keith Crandell Managing Director

#### ARCH VENTURE PARTNERS VII, L.P.

By: ARCH Venture Partners VII, LLC its General Partner

By: \_\_\_\_\_\*

Keith Crandell Managing Director

ARCH VENTURE PARTNERS VII, LLC

By: \_\_\_\_\_

Keith Crandell Managing Director

\*

Keith Crandell

Robert Nelsen

Clinton Bybee

#### ARCH VENTURE FUND VIII OVERAGE, L.P.

By: ARCH Venture Partners VIII, LLC its General Partner

By: \_\_\_\_\_\*

Keith Crandell Managing Director

#### ARCH VENTURE PARTNERS VIII, LLC

\*

Ву: \_\_\_\_\_

Keith Crandell Managing Director \* By: <u>/s/ Mark McDonnell</u> Mark McDonnell as Attorney-in-Fact

This Schedule 13G was executed by Mark McDonnell pursuant to Powers of Attorney attached hereto as Exhibit 2.0 and Exhibit 2.1 and incorporated herein by reference.

13G

Exhibit 1

#### AGREEMENT

Pursuant to Rule 13d-1-(k)(1) under the Securities Exchange Act of 1934, the undersigned hereby agree that only one statement containing the information required by Schedule 13G need be filed with respect to the ownership by each of the undersigned of shares of stock of Twist Bioscience Corporation.

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original.

Dated: February 14, 2019

ARCH VENTURE FUND VII, L.P.

By: ARCH Venture Partners VII, L.P. its General Partner

By: ARCH Venture Partners VII, LLC its General Partner

By: \_\_\_\_\_

Keith Crandell Managing Director

\*

#### ARCH VENTURE PARTNERS VII, L.P.

By: ARCH Venture Partners VII, LLC its General Partner

By:

\* Keith Crandell Managing Director

#### ARCH VENTURE PARTNERS VII, LLC

\*

\*

By:

Keith Crandell Managing Director

Keith Crandell

Robert Nelsen

Clinton Bybee

#### ARCH VENTURE FUND VIII OVERAGE, L.P.

By: ARCH Venture Partners VIII, LLC its General Partner

By: \_\_\_\_\_

Keith Crandell Managing Director

\*

By: <u>\*</u>

Keith Crandell Managing Director

\* By: <u>/s/ Mark McDonnell</u> Mark McDonnell as Attorney-in-Fact

This Agreement was executed by Mark McDonnell pursuant to Powers of Attorney attached hereto as <u>Exhibit 2.0 and Exhibit 2.1</u> and incorporated herein by reference.

Exhibit 2.0

#### **POWERS OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Mark McDonnell his true and lawful attorney-in-fact, with full power of substitution, to sign any and all instruments, certificates and documents that may be necessary, desirable or appropriate to be executed on behalf of himself as an individual or in his capacity as a direct or indirect general partner, member, director, officer or manager of any partnership, corporation or limited liability company, pursuant to section 13 or 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the Financial Industry Regulatory Authority, granting unto said attorney-in-fact full power and authority to do and perform each and every act and thing necessary, desirable or appropriate, fully to all intents and purposes as he might or could do in person, thereby ratifying and confirming all that said attorney-in-fact, or his substitutes, may lawfully do or cause to be done by virtue hereof. This Power of Attorney shall remain in full force and effect with respect to each undersigned person unless and until six months after such person is both no longer a Managing Director of ARCH Venture Partners and no longer serving on the board of directors of any portfolio company of any ARCH Venture Partners fund.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of the 7<sup>th</sup> day of May, 2013.

#### ARCH VENTURE FUND VII, L.P.

- By: ARCH Venture Partners VII, L.P. its General Partner
  - By: ARCH Venture Partners VII, LLC its General Partner

By: <u>/s/ Keith Crandell</u> Managing Director

#### ARCH VENTURE PARTNERS VII, L.P.

- By: ARCH Venture Partners VII, LLC its General Partner
  - By: <u>/s/ Keith Crandell</u> Managing Director

#### ARCH VENTURE PARTNERS VII, LLC

By: <u>/s/ Keith Crandell</u> Managing Director

<u>/s/ Keith Crandell</u> Keith Crandell

<u>/s/ Robert Nelsen</u> Robert Nelsen

<u>/s/ Clinton Bybee</u> Clinton Bybee

<u>/s/ Kristina Burow</u> Kristina Burow

<u>/s/ Paul Thurk</u> Paul Thurk

Exhibit 2.1

#### **POWERS OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Mark McDonnell his true and lawful attorney-in-fact, with full power of substitution, to sign any and all instruments, certificates and documents that may be necessary, desirable or appropriate to be executed on behalf of himself as an individual or in his capacity as a direct or indirect general partner, member, director, officer or manager of any partnership, corporation or limited liability company, pursuant to section 13 or 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the Financial Industry Regulatory Authority, granting unto said attorney-in-fact full power and authority to do and perform each and every act and thing necessary, desirable or appropriate, fully to all intents and purposes as he might or could do in person, thereby ratifying and confirming all that said attorney-in-fact, or his substitutes, may lawfully do or cause to be done by virtue hereof. This Power of Attorney shall remain in full force and effect with respect to each undersigned person unless and until six months after such person is both no longer a Managing Director of ARCH Venture Partners and no longer serving on the board of directors of any portfolio company of any ARCH Venture Partners fund.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of the 26<sup>th</sup> day of July, 2017.

#### ARCH VENTURE FUND VIII OVERAGE, L.P.

By: ARCH Venture Partners VIII, LLC its General Partner

By: <u>/s/ Keith Crandell</u> Managing Director

#### ARCH VENTURE PARTNERS VIII, L.P.

By: ARCH Venture Partners VIII, LLC its General Partner

By: <u>/s/ Keith Crandell</u> Managing Director